

Page 1 of 25
Permit No.: ST-9000
Issuance Date: June 29, 2004
Effective Date: August 1, 2004
Expiration Date: July 31, 2009

STATE WASTE DISCHARGE PERMIT NUMBER ST-9000

**STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
CENTRAL REGIONAL OFFICE**

In compliance with the provisions of the
State of Washington Water Pollution Control Law
Chapter 90.48 Revised Code of Washington, as amended,
authorizes

**TOWN OF WATERVILLE
PUBLIC-OWNED TREATMENT WORKS
PO BOX 580
WATERVILLE, WA 98858**

to discharge wastewater in accordance with the special and general conditions which follow.

<u>Plant Location:</u> Approx. 1 mile south of Town Waterville, WA 98858	<u>Discharge Location:</u> Legal Description: SW ¹ / ₄ Section 26, SE ¹ / ₄ Section 27, and the NW ¹ / ₄ of Section 35, Township 19N, Range 29 E.W.M.
<u>Treatment Type</u> Facultative lagoon and sprayfield	Latitude: 47° 03' 30" N Longitude: 120° 37' 50" W

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Section Manager
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Washington State Department of Ecology

TABLE OF CONTENTS

	<u>Page</u>
SUMMARY OF PERMIT REPORT SUBMITTALS.....	4
SPECIAL CONDITIONS.....	5
S1. DISCHARGE LIMITATIONS.....	5
S2. MONITORING REQUIREMENTS.....	6
A. Interim Monitoring Requirements	6
1. Wastewater Monitoring	6
2. Surface Water Monitoring	7
3. Ground Water Monitoring	8
4. Soil Monitoring.....	8
B. Final Monitoring Requirements.....	9
C. Sampling and Analytical Procedures.....	9
D. Flow Measurement.....	10
E. Laboratory Accreditation	10
F. Request for Reduction in Monitoring	10
S3. REPORTING AND RECORDKEEPING REQUIREMENTS	11
A. Reporting.....	11
B. Records Retention.....	11
C. Recording of Results.....	12
D. Additional Monitoring by the Permittee	12
E. Noncompliance Notification.....	12
S4. FACILITY LOADING	13
A. Interim Design Criteria	13
B. Final Design Criteria.....	13
C. Wasteload Assessment.....	13
D. Infiltration and Inflow Evaluation	13
S5. OPERATION AND MAINTENANCE.....	14
A. Certified Operator	14
B. O & M Program	14
C. Short-term Reduction.....	14
D. Electrical Power Failure.....	15
E. Prevent Connection of Inflow	15
F. Bypass Procedures	15
G. Operations and Maintenance Manual	16
1. Requirements for O&M Plan Appendix A	17
2. Requirements for O&M Plan Appendix B.....	18
3. Requirements for O&M Plan Appendix C.....	18
S6. RESIDUAL SOLIDS.....	19
S7. PRETREATMENT	19
A. Discharge Authorization Required	19

B.	Prohibitions	20
C.	Notification of Industrial User Violations	21
S8.	SCHEDULE OF COMPLIANCE.....	21
A.	Draft Amended Engineering Report	21
B.	Final Abridged Engineering Report.....	21
C.	Progress Report.....	22
S9.	SAMPLING AND ANALYSIS PLAN	22
	GENERAL CONDITIONS	23
G1.	SIGNATORY REQUIREMENTS.....	23
G2.	RIGHT OF ENTRY	23
G3.	PERMIT ACTIONS.....	24
G4.	REPORTING A CAUSE FOR MODIFICATION	24
G5.	NOTIFICATION OF NEW OR ALTERED SOURCES	24
G6.	PLAN REVIEW REQUIRED	25
G7.	COMPLIANCE WITH OTHER LAWS AND STATUTES.....	25
G8.	DUTY TO REAPPLY	25
G9.	PAYMENT OF FEES	25
G10.	PENALTIES FOR VIOLATING PERMIT CONDITIONS	25

SUMMARY OF PERMIT REPORT SUBMITTALS

Refer to the Special and General Conditions of this permit for additional submittal requirements.

Permit Section	Submittal	Frequency	First Submittal Date
S3.A.	Discharge Monitoring Report	Monthly	September 15, 2004
S4.C.	Wasteload Assessment	1/permit cycle	July 1, 2006
S4.D.	Infiltration & Inflow	2/permit cycle	July 1, 2006 and July 31, 2008
S5.G.	Updated Operations and Maintenance Manual with Appendices A, B, C	Annual review letters or updates	December 1, 2005
S5.G.	Approved Sampling and Analysis Plan incorporated in Appendix C of O&M Manual	1/permit cycle	April 1, 2008
S8.A.	Draft Abridged Engineering Report	1/permit cycle	July 1, 2006
S8.B.	Final Abridged Engineering Report	1/permit cycle	February 1, 2007
S8.C.	Progress Report	Annual	July 1, 2007
S9.	Sampling and Analysis Plan	1/permit cycle	April 1, 2008
G8.	Application for permit renewal	1/permit cycle	July 31, 2008 ^a

^a At least one (1) year prior to permit expiration

SPECIAL CONDITIONS

S1. DISCHARGE LIMITATIONS

All discharges and activities authorized by this permit shall be consistent with the terms and conditions of this permit. The discharge of any of the following pollutants more frequently than, or at a concentration in excess of, that authorized by this permit shall constitute a violation of the terms and conditions of this permit.

Beginning on **August 1, 2004** and lasting through **July 31, 2009**, the Permittee is authorized to apply wastewater to land via spray irrigation at rates consistent with Appendixes A and B of the O&M Manual on the following designated irrigation lands:

Approximately 50 acres located approximately 1 mile south of the Town of Waterville, in the SW¹/₄ Section 26, SE¹/₄ Section 27, and the NW¹/₄ of Section 35, Township 19N, Range 29 E.W.M.

Discharges to the sprayfield shall be subject to the following limitations:

EFFLUENT LIMITATIONS	
Parameter	Maximum Daily ^a
pH of effluent to the sprayfield	Between 5 and 11 S. U.'s
Soluble BOD ₅	60 mg/L before irrigating
a-The maximum daily effluent limitation is defined as the highest allowable daily discharge.	

S2. MONITORING REQUIREMENTS

A. Interim Monitoring Requirements

Until such time as the Sampling and Analysis Plan, Special Condition S9., is approved by the Department, the Permittee shall monitor in accordance with the requirements of Section A of this special condition.

1. Wastewater Monitoring

The sampling point for the influent shall be at the sample port prior to discharge to the treatment lagoon.

The sampling point for the effluent from the above ground treatment works shall be at the pump station sample port prior to discharging into the sprayfields.

The Permittee shall monitor the wastewater according to the following schedule:

Parameter	Units	Sample Point	Sampling Frequency	Sample Type
Flow	MGD	Influent	Continuous	Meter
	MGD	Effluent	Continuous	Meter
Total BOD ₅	mg/L	Influent	Quarterly ^a	8-hour Composite ^c
Soluble BOD ₅	mg/L	Effluent	Quarterly ^b	Grab
TSS	mg/L	Influent	Quarterly ^a	8-hour Composite
TDS	mg/L	Effluent	Quarterly ^b	Grab
Fecal Coliform Bacteria	# colonies/ 100 mL	Effluent	Quarterly ^b	Grab
pH	Standard Units	Influent	2/week ^b	Grab
pH	Standard Units	Effluent	2/week ^b	Grab
Chloride	mg/L	Effluent	Quarterly ^b	Grab

a-Sampling is not required when inclement weather, such as excessive snowfall, makes conditions hazardous.

Permittee must comply with reporting requirements of Special Condition S3.A.

b-Sampling required only during irrigation season.

c-An 8-hour composite shall consist of one sample taken every two hours over a period of 8 hours.

2. Surface Water Monitoring

The surface water sampling points are located at SW-1, SW-2, SW-3 and SW-4.

The Permittee shall monitor surface water according to the following schedule:

Parameter	Units	Sample Points	Sampling Frequency	Sample Type
pH	Standard Units	SW-1, SW-2, SW-3, SW-4	1/month	Field measurement
Conductivity	Micromho/cm	SW-1, SW-2, SW-3, SW-4	1/month	"
Fecal Coliform	CPU/100 mL	SW-1, SW-2, SW-3, SW-4	1/quarter	"
Temperature	°C	SW-1, SW-2, SW-3, SW-4	1/month	"
Chloride	mg/L	SW-1, SW-2, SW-3, SW-4	1/quarter	Grab
TDS	mg/L	SW-1, SW-2, SW-3, SW-4	1/quarter	"
NO ₃ (as N)	mg/L	SW-1, SW-2, SW-3, SW-4	1/quarter	"
TKN (as N)	mg/L	SW-1, SW-2, SW-3, SW-4	1/quarter	"
NH ₃ (as N)	mg/L	SW-1, SW-2, SW-3, SW-4	1/quarter	"

3. Ground Water Monitoring

The sampling points for ground water will be monitoring wells MW1 and MW2.

The Permittee shall monitor the ground water according to the following schedule:

Parameter	Units	Sample Points	Sampling Frequency	Sample Type
Ferrous Iron	Present /Absent	MWs 1 & 2	1/month	Field Measurement
pH	Standard Units	MWs 1 & 2	1/month	"
Conductivity	Micromho/cm	MWs 1 & 2	1/month	"
Temperature	°C	MWs 1 & 2	1/month	"
Water Level	feet	MWs 1 & 2	1/month	"
Fecal Coliform	CPU/100 mL	MWs 1 & 2	1/quarter	"
Chloride	mg/L	MWs 1 & 2	1/quarter	Grab
TDS	mg/L	MWs 1 & 2	1/quarter	"
NO ₃ (as N)	mg/L	MWs 1 & 2	1/quarter	"
TKN (as N)	mg/L	MWs 1 & 2	1/quarter	"
NH ₃ (as N)	mg/L	MWs 1 & 2	1/quarter	"

4. Soil Monitoring

The Permittee shall perform soil monitoring on the irrigation lands once per year, after the irrigation season ends. If possible, sampling sites shall remain in the same vicinity from year to year.

Discrete samples will be taken from three depths [12", 36", and 60" (or until auger refusal)] at two separate sites in the field, one at a high point in the field and one at a low point in the field. Samples will be collected at a time that best represents soil conditions at the end of the crop growing season.

The Permittee shall monitor the soils in the sprayfield according to the following schedule:

Parameter	Units	Sample Point	Depth Increments
Exchangeable sodium percentage	%	Each field	12", 36" and 60"
Cation exchange capacity	meq/100g	"	12", 36" and 60"
Conductivity	usiemens/cm	"	12", 36" and 60"
TKN (as N)	mg/Kg	"	12", 36" and 60"
NO ₃ (as N)	mg/Kg	"	12", 36" and 60"
Sodium	meq/100g	"	12", 36" and 60"
Calcium	meq/100g	"	12", 36" and 60"
Magnesium	meq/100g	"	12", 36" and 60"
Potassium	mg/Kg	"	12", 36" and 60"
pH	s.u.	"	12", 36" and 60"

B. Final Monitoring Requirements

Final monitoring requirements shall be established upon Departmental approval of the Town's Sampling and Analysis Plan, Special Condition S9. No later than **April 1, 2008** and in accordance with Special Condition S5.G., the Monitoring Requirements contained in Appendix C of the approved O & M Manual shall constitute the Final Monitoring Requirements for the remainder of the permit term.

C. Sampling and Analytical Procedures

Samples and measurements taken to meet the requirements of this permit shall be representative of the volume and nature of the monitored parameters, including representative sampling of any unusual discharge or discharge condition, including bypasses, upsets and maintenance-related conditions affecting effluent quality.

Ground water sampling shall conform to the latest protocols in the *Implementation Guidance for the Ground Water Quality Standards*, (Ecology 1996).

Sampling and analytical methods used to meet the water and wastewater monitoring requirements specified in this permit shall conform to the latest revision of the *Guidelines Establishing Test Procedures for the Analysis of Pollutants* contained in 40 CFR Part 136 or to the latest revision of *Standard Methods for the Examination of Water and Wastewater* (APHA), unless otherwise specified in this permit or approved in writing by the Department of Ecology (Department).

All soil analysis and reporting will be in accordance with *Laboratory Procedures*, Soil Testing Laboratory, Washington State University, November 1981.

Sludge monitoring requirements specified in this permit shall be conducted according to test procedures specified in 40 CFR Part 503.

D. Flow Measurement

Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the quantity of monitored flows. The devices shall be installed, calibrated, and maintained to ensure that the accuracy of the measurements are consistent with the accepted industry standard for that type of device. Frequency of calibration shall be in conformance with manufacturer's recommendations and at a minimum frequency of at least one calibration per year. Calibration records shall be maintained for at least three (3) years.

E. Laboratory Accreditation

All monitoring data required by the Department shall be prepared by a laboratory registered or accredited under the provisions of, *Accreditation of Environmental Laboratories*, Chapter 173-50 WAC. Flow, temperature, settleable solids, conductivity, pH, and internal process control parameters are exempt from this requirement. Conductivity and pH shall be accredited if the laboratory must otherwise be registered or accredited. Crops, soils, and hazardous waste testing has not been included in the accreditation program. Crops and soils data shall be provided by a lab accredited for similar parameters in water media.

F. Request for Reduction in Monitoring

The Permittee may request the Department of Ecology (Department) review the data to determine whether a reduction of the sampling frequency is warranted after twenty-four (24) months of monitoring. The request shall: (1) be in written form, (2) clearly state the parameters for which the reduction in monitoring is being requested, and (3) clearly state the justification for the reduction. Any

request for reduction in monitoring shall be granted at the Department's discretion and accomplished through an Administrative Order or permit modification.

S3. REPORTING AND RECORDKEEPING REQUIREMENTS

The Permittee shall monitor and report in accordance with the following conditions. The falsification of information submitted to the Department shall constitute a violation of the terms and conditions of this permit.

A. Reporting

Monitoring results shall be submitted monthly. Monitoring data obtained during the previous month shall be summarized and reported on a form provided, or otherwise approved, by the Department, and be received no later than the 15th day of the month following the completed reporting period, unless otherwise specified in this permit. The report(s) shall be sent to:

Permit Data Systems Manager
Water Quality Program
Department of Ecology
Central Regional Office
15 West Yakima Avenue, Suite 200
Yakima, Washington 98902

Discharge Monitoring Report forms must be submitted monthly whether or not the facility was discharging. If there was no discharge or the facility was not operating during a given monitoring period, submit the form as required with the words "no discharge" entered in place of the monitoring results.

B. Records Retention

The Permittee shall retain records of all monitoring information for a minimum of three years. Such information shall include all calibration and maintenance records and all original recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit. This period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the Permittee or when requested by the Director.

The Permittee shall retain all records pertaining to the monitoring of sludge for a minimum of five years.

C. Recording of Results

For each measurement or sample taken, the Permittee shall record the following information: (1) the date, exact place and time of sampling; (2) the individual who performed the sampling or measurement; (3) the dates the analyses were performed; (4) who performed the analyses; (5) the analytical techniques or methods used; and (6) the results of all analyses.

D. Additional Monitoring by the Permittee

If the Permittee monitors any pollutant more frequently than required by this permit using test procedures specified by Special Condition S2. of this permit, then the results of this monitoring shall be included in calculation and reporting of the data submitted in the Permittee's DMRs.

E. Noncompliance Notification

In the event the Permittee is unable to comply with any of this permit's terms and conditions due to any cause, the Permittee shall:

1. Immediately take action to stop, contain, and cleanup unauthorized discharges or otherwise stop the violation, and correct the problem;
2. Repeat sampling and analysis of any violation and submit the results to the Department within thirty (30) days after becoming aware of the violation;
3. Immediately notify the Department of the failure to comply; and
4. Submit a detailed written report to the Department within thirty (30) days, unless requested earlier by the Department, describing the nature of the violation, corrective action taken and/or planned, steps to be taken to prevent a recurrence, results of the resampling, and any other pertinent information.

Compliance with these requirements does not relieve the Permittee from responsibility to maintain continuous compliance with the terms and conditions of this permit or the resulting liability for failure to comply.

S4. FACILITY LOADING

A. Interim Design Criteria

Flows or waste loadings of the following design criteria for the permitted treatment facility shall not be exceeded:

Annual average flow:	0.15 MGD
Instantaneous peak flow:	0.72 MGD
Influent BOD Loading to Lagoon	20 lbs/Acre/Day

B. Final Design Criteria

The final design criteria shall be established after the upgraded POTW is constructed and operational. The design criteria shall be incorporated into the permit through a permit modification or issuance of a new permit.

C. Wasteload Assessment

The Permittee shall conduct a wasteload assessment and submit by **July 1, 2006** as part of the Draft Amended Engineering Report.

The wasteload assessment report shall contain the following: an indication of compliance or noncompliance with the permit effluent limitations; a comparison between the existing and design monthly average dry weather and wet weather flows, peak flows, BOD, and TSS loadings; and the percentage increase in these parameters since the last evaluation. The report shall also state the estimated date upon which the design capacity is projected to be reached, according to the most restrictive of the parameters above. The interval for review and reporting may be modified if the Department determines that a different frequency is sufficient.

D. Infiltration and Inflow Evaluation

1. The Permittee shall conduct two (2) infiltration and inflow evaluations. Plant monitoring records may be used to assess measurable infiltration and inflow. The following publications may be used for the evaluations:
(I) U.S.EPA publication, *I/I Analysis and Project Certification*, Publication No. 97-03. A copy may be obtained from the Publications Office, Department of Ecology, PO Box 47600, Olympia, WA 98504-7600; and

(II) *Infiltration-Inflow (I/I) Report Guidelines* available at the Department. A copy may be obtained from the Department of Ecology, Southwest Regional Office, P.O. Box 47775, Olympia, Washington 98504-7775.

2. Each report shall be prepared summarizing any measurable infiltration and inflow. The report shall contain a plan and a schedule for: (1) locating the sources of infiltration and inflow; and (2) correcting any significant problems.
3. The first report may be submitted as part of the **Draft Amended Engineering Report** by **July 1, 2006**. The second report shall be submitted to the Department by **July 31, 2008**.

S5. OPERATION AND MAINTENANCE

The Permittee shall at all times be responsible for the proper operation and maintenance of any facilities or systems of control installed to achieve compliance with the terms and conditions of this permit.

A. Certified Operator

An operator certified for at least a Class I plant by the State of Washington shall be in responsible charge of the day-to-day operation of the wastewater treatment plant. An operator certified for at least a Class I plant shall be in charge during all regularly scheduled shifts.

B. O & M Program

The Permittee shall institute an adequate Operation and Maintenance Program for their entire sewage system. Maintenance records shall be maintained on all major electrical and mechanical components of the treatment plant, as well as the sewage system and pumping stations. Such records shall clearly specify the frequency and type of maintenance recommended by the manufacturer and shall show the frequency and type of maintenance performed. These maintenance records shall be available for inspection at all times.

C. Short-term Reduction

If a Permittee contemplates a reduction in the level of treatment that would cause a violation of permit discharge limitations on a short-term basis for any reason, and such reduction cannot be avoided, the Permittee shall give written notification to the Department, if possible, thirty (30) days prior to such activities, detailing

the reasons for, length of time of, and the potential effects of the reduced level of treatment. This notification does not relieve the Permittee of their obligations under this permit.

D. Electrical Power Failure

The Permittee is responsible for maintaining adequate safeguards to prevent the discharge of untreated wastes or wastes not treated in accordance with the requirements of this permit during electrical power failure at the treatment plant and/or sewage lift stations either by means of alternate power sources, standby generator, or retention of inadequately treated wastes.

E. Prevent Connection of Inflow

The Permittee shall strictly enforce its sewer ordinances and not allow the connection of inflow (roof drains, foundation drains, etc.) to the sanitary sewer system.

F. Bypass Procedures

The Permittee shall immediately notify the Department of any spill, overflow, or bypass from any portion of the collection or treatment system.

The bypass of wastes from any portion of the collection or treatment system is prohibited unless one of the following conditions (1, 2, or 3) applies:

1. Unavoidable Bypass -- Bypass is unavoidable to prevent loss of life, personal injury, or severe property damage. "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which would cause them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass.

If the resulting bypass from any portion of the treatment system results in noncompliance with this permit the Permittee shall notify the Department in accordance with Special Condition S3.E. "Noncompliance Notification."

2. Anticipated Bypass That Has The Potential to Violate Permit Limits or Conditions -- Bypass is authorized by an administrative order issued by the Department. The Permittee shall notify the Department at least thirty (30) days before the planned date of bypass. The notice shall contain a description of the bypass and its cause; the duration of the bypass,

including exact dates and times; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the bypass. The Department will consider the following prior to issuing an administrative order:

- a. If the bypass is necessary to perform construction or maintenance-related activities essential to meet the requirements of the permit.
- b. If there are feasible alternatives to bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, maintenance during normal periods of equipment down time, or transport of untreated wastes to another treatment facility.
- c. If the bypass is planned and scheduled to minimize adverse effects on the public and the environment.

After consideration of the above and the adverse effects of the proposed bypass and any other relevant factors, the Department will approve or deny the request.

3. Bypass For Essential Maintenance Without the Potential to Cause Violation of Permit Limits or Conditions -- Bypass is authorized if it is for essential maintenance and does not have the potential to cause violations of limitations or other conditions of the permit, or adversely impact public health as determined by the Department prior to the bypass.

G. Operations and Maintenance Manual

The O & M Manual and Appendices shall be reviewed by the Permittee at least annually. The Permittee shall confirm the review by letter and/or a manual update to the Department no later than **December 1, 2005** and yearly thereafter. All manual changes or updates shall be submitted to the Department for approval prior to incorporation into the manual. The approved O&M Manual shall be kept available at the treatment plant.

In accordance with Special Condition S9., the Town shall incorporate the approved Sampling and Analysis Plan in Appendix C of the O&M Manual no later than **April 1, 2008**.

The O&M Manual shall be written so that the primary management goal is to optimize treatment and disposal of municipal wastewater, with maximization of crop yield an ancillary goal.

The O&M Manual shall contain the treatment plant process control monitoring schedule. All operators shall follow the instructions and procedures of this manual.

These three appendices will organize the enforceable operating and maintenance parameters and procedures as follows:

1. Requirements for O&M Plan Appendix A

Shall include a list of general narrative requirements for sprinkler and irrigation operation, including but not limited to:

1. Maximum sprinkler set times;
2. Crop irrigation strategy for growing season;
3. Ponding or run-off response;
4. Cold weather and non-growing season requirements
5. Crop establishment water;
6. Restriction of public access requirements in compliance with all requirements set by the Washington State Department of Health;
7. Measures to protect worker safety; and
8. Other special conditions such as conditions for the application of solids to the sprayfield area.

In addition, Appendix A shall include the following best management practices:

1. There shall be no runoff of wastewater applied to land by spray irrigation to any surface waters of the State or to any land not owned by or under control of the Permittee.
2. The Permittee shall use recognized good practices, and all available and reasonable procedures to control odors from the land application system. When notified by the Department, the Permittee shall implement measures to reduce odors to a reasonable minimum.
3. The Permittee shall not operate the sprayfield when the sustained wind velocity is 15 mph or higher.
4. The wastewater shall not be applied to the irrigation lands in quantities that:
 - a. Significantly reduce or destroy the long-term infiltration rate of the soil;
 - b. Cause long-term anaerobic conditions in the soil;

- c. Cause ponding of wastewater and produce objectionable odors or support insects or vectors; or,
 - d. Cause leaching losses of constituents of concern beyond the treatment zone or in excess of the approved design. Constituents of concern are constituents in the wastewater, partial decomposition products, or soil constituents that would alter ground water quality in amounts that would affect current and future beneficial uses.
5. The Permittee shall maintain all irrigation agreements for lands not owned for the duration of this permit's cycle. Any reduction in irrigation lands by termination of any irrigation agreements may result in permit modification or revocation. The Permittee shall immediately inform the Department in writing of any proposed changes to existing agreements.

2. Requirements for O&M Plan Appendix B

Shall include a schedule of maximum monthly allowed loading on the sprayfield aligned with the projected crop requirements in Table B-1 of the O & M Manual.

In general the maximum loadings requirements should include but not be limited to:

- 1. Hydraulic Loading;
- 2. Organic (BOD₅) Loading;
- 3. Nitrogen Loading;
- 4. Phosphate Loading;
- 5. Potassium Loading; and
- 6. Quarterly, Daily, or Seasonal loadings of degradable toxic or trace nutrient materials.
- 7. Total Dissolved Solids

3. Requirements for O&M Plan Appendix C

Shall include the Sampling and Analysis Plan detailing all lagoon, groundwater, sprayfield and surface water monitoring that is deemed necessary to verify the proper operation of the sprayfield treatment system, including but not limited to:

- 1. Monitoring of the influent BOD₅ concentration and influent flow so that daily loading in pounds BOD₅ can be managed.

2. Quality of effluent sprinkled on the sprayfield.
3. A Quality Assurance Project Plan, containing sampling procedures and protocols for all monitoring;
4. Groundwater monitoring; and
5. Other monitoring requirements such as chemistry, rainfall intensity, or temperature necessary for the predictions of, regulation of, or monitoring of the function of the sprayfield treatment system; and,
6. Soil monitoring; and,
7. Surface water monitoring.

S6. RESIDUAL SOLIDS

The Town shall manage all residual solids (grit, screenings, scum, sludge and solid waste) in accordance with the requirements of: (1) RCW 90.48.080 and Water Quality Standards; (2) applicable sections of 40 CFR Part 503 and Chapter 173-308 WAC, "Biosolids Management"; (3) applicable sections of Chapter 173-350 WAC, "Solid Waste handling Standards."

The final use and disposal of biosolids shall be done in accordance with Chapter 173-308 WAC ("Biosolids Management"), 40 CFR Part 503, and under coverage of the State general permit for biosolids management, as applicable.

The disposal of solid waste is regulated by the local jurisdictional health department in accordance with State solid waste regulations.

S7. PRETREATMENT

The Permittee shall work cooperatively with the Department to ensure that all commercial and industrial users of the wastewater treatment system are in compliance with pretreatment regulations.

A. Discharge Authorization Required

Significant commercial or industrial operations shall not be allowed to discharge wastes to the Permittee's POTW until they have received prior authorization from the Department in accordance with Chapter 90.48 RCW and Chapter 173-216 WAC, as amended. The Permittee shall immediately notify the Department of any proposed new sources of wastewater from significant commercial or industrial operations.

B. Prohibitions

A non-domestic discharger may not introduce into the Permittee's POTW any pollutant(s) that cause pass through or interference.

The following non-domestic discharges shall not be discharged into the Permittee's POTW:

1. Pollutants that create a fire or explosion hazard in the domestic wastewater facilities (including, but not limited to waste streams with a closed cup flashpoint of less than 140° Fahrenheit (F) or 60° Centigrade (C) using the test methods specified in 40 CFR 261.21).
2. Pollutants that will cause corrosive structural damage to the domestic wastewater facilities, but in no case discharges with pH lower than 5.0 standard units or greater than 11.0 standard units, unless the works are specifically designed to accommodate such discharges.
3. Solid or viscous pollutants in amounts that could cause obstruction to the flow in sewers or otherwise interfere with the operation of the POTW.
4. Any pollutant, including oxygen demanding pollutants, (BOD, etc.) released in a discharge at a flow rate and/or pollutant concentration which will cause interference with the POTW.
5. Heat in amounts that will inhibit biological activity in the POTW resulting in interference, but in no case heat in such quantities such that the temperature at the POTW exceeds 40° C (104° F) unless the Department, upon request of the Permittee, approves, in writing, alternate temperature limits.
6. Petroleum oil, non-biodegradable cutting oil, or products of mineral origin in amounts that will cause interference or pass through.
7. Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity which may cause acute worker health and safety problems.
8. Any trucked or hauled pollutants, except at discharge points designated by the Permittee.
9. As provided by WAC 173-303-071(3)(a), discharges of dangerous wastes into the sewerage system by industrial or commercial users are prohibited unless the discharger has submitted an application for a State Waste Discharge Permit. The applicant must accurately describe the wastewater on a State Waste Discharge Permit Application for Industrial Discharges to a POTW (Ecology Form 040-177).
10. Noncontact cooling water in significant volumes.
11. Stormwater, and other direct inflow sources.

12. Wastewaters significantly affecting system hydraulic loading, which do not require treatment or would not be afforded a significant degree of treatment by the POTW.

C. Notification of Industrial User Violations

The Permittee shall notify the Department if any non-domestic user violates the prohibitions listed in Special Condition S7.B. above.

S8. SCHEDULE OF COMPLIANCE

The Permittee shall be in compliance with the terms of this permit by achieving the following:

A. Draft Amended Engineering Report

The Permittee shall submit a Draft Abridged Engineering Report as an Addendum to the 1995 Engineering Report to the Department for approval by **July 1, 2006**.

The Abridged Engineering Report shall be conducted according to the Departments' *Publication #93-36, Guidelines for Engineering Reports for Industrial Wastewater Land Applications Systems*. It shall address:

1. Ground water quality impacts of the lagoon.
2. I & I report outlining collection system improvements necessary to meet current and predicted future needs.
3. An assessment of treatment systems capacity and ability to meet future demand.
4. The location and sizing of the sprayfield system necessary to meet current and future needs.
5. A plan for implementing the recommendations contained in the engineering report with cost estimates and funding opportunities.
6. A plan for protecting ground water quality from lagoon infiltration.
7. Timeline of upgrade milestones.

B. Final Abridged Engineering Report

The Permittee shall submit a Final Abridged Engineering Report as an Addendum to the 1995 Engineering Report to the Department for approval by **February 1, 2007**.

C. Progress Report

The Permittee shall submit a series of Progress Reports to the Department, beginning **July 1, 2007** and for each year following until all proposed improvements to the treatment works needed to achieve compliance with this permit are complete. The Report shall address progress made and actions taken toward achieving compliance with this permit, the cost estimated to complete the project, the level of secure funding obtained to date, and a detailed description of future activities leading to obtaining complete funding.

S9. SAMPLING AND ANALYSIS PLAN

The Permittee shall submit to the Department, for review and approval, a Sampling and Analysis Plan no later than **April 1, 2008**. The Plan shall address all wastewater, ground water, soil, crop, and surface water monitoring required in this permit. Upon Departmental approval the Plan shall be placed in Appendix C of the updated O & M Manual. Appendix C shall then supplant the interim monitoring requirements in Special Conditions, S2.A. 1, 2, 3, & 4 and constitute the enforceable monitoring requirements of the permit. The Plan shall be developed in accordance with *Guidelines for Preparing Quality Assurance Project Plans for Environmental Studies*, Ecology Publ. No. 01-03-003 and the appropriate sections of *Implementation Guidance for the Ground Water Quality Standards*, Ecology Publ. No. 96-02.

GENERAL CONDITIONS

G1. SIGNATORY REQUIREMENTS

All applications, reports, or information submitted to the Department shall be signed as follows:

- A. All permit applications shall be signed by either a principal executive officer or ranking elected official.
- B. All reports required by this permit and other information requested by the Department shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 - 1. The authorization is made in writing by the person described above and is submitted to the Department at the time of authorization, and
 - 2. The authorization specifies either a named individual or any individual occupying a named position.
- C. Changes to authorization. If an authorization under paragraph B.2. above is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization must be submitted to the Department prior to or together with any reports, information, or applications to be signed by an authorized representative.
- D. Certification. Any person signing a document under this section shall make the following certification:

"I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

G2. RIGHT OF ENTRY

Representatives of the Department shall have the right to enter at all reasonable times in or upon any property, public or for the purpose of inspecting and investigating conditions relating to the pollution or the possible pollution of any waters of the state. Reasonable times shall include normal business hours; hours during which production, treatment, or

discharge occurs; or times when the Department suspects a violation requiring immediate inspection. Representatives of the Department shall be allowed to have access to, and copy at reasonable cost, any records required to be kept under terms and conditions of the permit; to inspect any monitoring equipment or method required in the permit; and to sample the discharge, waste treatment processes, or internal waste streams.

G3. PERMIT ACTIONS

This permit shall be subject to modification, suspension, or termination, in whole or in part by the Department for any of the following causes:

- A. Violation of any permit term or condition;
- B. Obtaining a permit by misrepresentation or failure to disclose all relevant facts;
- C. A material change in quantity or type of waste disposal;
- D. A material change in the condition of the waters of the state; or
- E. Nonpayment of fees assessed pursuant to RCW 90.48.465.

The Department may also modify this permit, including the schedule of compliance or other conditions, if it determines good and valid cause exists, including promulgation or revisions of regulations or new information.

G4. REPORTING A CAUSE FOR MODIFICATION

The Permittee shall submit a new application, or a supplement to the previous application, along with required engineering plans and reports, whenever a new or increased discharge or change in the nature of the discharge is anticipated which is not specifically authorized by this permit. This application shall be submitted at least 60 days prior to any proposed changes. Submission of this application does not relieve the Permittee of the duty to comply with the existing permit until it is modified or reissued.

G5. NOTIFICATION OF NEW OR ALTERED SOURCES

The Permittee shall submit written notice to the Department whenever any new discharge or increase in volume or change in character of an existing discharge into the sewer is proposed which: (1) would interfere with the operation of, or exceed the design capacity of, any portion of the collection or treatment system; (2) would increase the total system flow or influent waste loading by more than ten (10) percent; (3) is not part of an approved general sewer plan or approved plans and specifications; or would be subject to pretreatment standards under 40 CFR Part 403 and Section 307(b) of the Clean Water

Act. This notice shall include an evaluation of the system's ability to adequately transport and treat the added flow and/or wasteload.

G6. PLAN REVIEW REQUIRED

Prior to constructing or modifying any wastewater control facilities, an engineering report and detailed plans and specifications shall be submitted to the Department for approval in accordance with Chapter 173-240 WAC. Engineering reports, plans, and specifications should be submitted at least 180 days prior to the planned start of construction. Facilities shall be constructed and operated in accordance with the approved plans.

G7. COMPLIANCE WITH OTHER LAWS AND STATUTES

Nothing in the permit shall be construed as excusing the Permittee from compliance with any applicable federal, state, or local statutes, ordinances, or regulations.

G8. DUTY TO REAPPLY

The Permittee must apply for permit renewal at least one (1) year prior to the specified expiration date of this permit.

G9. PAYMENT OF FEES

The Permittee shall submit payment of fees associated with this permit as assessed by the Department. The Department may revoke this permit if the permit fees established under Chapter 173-224 WAC are not paid.

G10. PENALTIES FOR VIOLATING PERMIT CONDITIONS

Any person who is found guilty of willfully violating the terms and conditions of this permit shall be deemed guilty of a crime, and upon conviction thereof shall be punished by a fine of up to ten thousand dollars and costs of prosecution, or by imprisonment in the discretion of the court. Each day upon which a willful violation occurs may be deemed a separate and additional violation.

Any person who violates the terms and conditions of a waste discharge permit shall incur, in addition to any other penalty as provided by law, a civil penalty in the amount of up to ten thousand dollars for every such violation. Each and every such violation shall be a separate and distinct offense, and in case of a continuing violation, every day's continuance shall be and be deemed to be a separate and distinct violation.